NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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initial_	X		_Armua	L		Spe	cial	T.P. S. Service Control of the Contr	Date of	Test	10-19-61	
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								erf. Oper				
											ess. 12.0	
ate of	Complet	ion:	10/7/6	.,	Packe	r	Sir	gle-Brade	enhead-G.	G. or	G.O. Dual	
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ested T	nrough				(Meter)				Type Tap	os		
(P	(Prover) (Che				Diff.	Temp.		Data Temp.	Casing I		Duratio	
0. (1	Line) Size	(Qnifi Siz	eac)	psig		o _F ,	psig		į		of Flo	
ī				P016	**W		1917	Fi	1917	F.	7 day	
•		3/4		282		71	282	71	1193		3 hr.	

					F	FLOW CAL	CULATION	5				
Coefficient				Pr	Pressure Flow Ten			Gravity Compress. Rate of Flow				
(24-Hour) V			$h_{\mathbf{w}} \mathbf{p_f}$		psia	Factor Ft		Fg	Fpv		@ 15.025 psia	
	12.3650			295		.9896		.9463	1.032		3,525	
												
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					PRE	SSURE CA	ALCUI ATI	ONS				
Liquid					PRE		ALCUIATIO		fic Gravi	ty Sepa	rator Gas	
Liquid vity of	Liquid	Hydro	carbons				ALCUIATIO	Specia Specia	fic Gravi	ty Flow	rator Gasing Fluid	
Liquid vity of	Liquid	Hydro	carbons			cf/bbl.	ALCUI AT I	Special Special P _c	fic Gravi 1 929	ty Flow Pc 3	ing Fluid	
Liquid vity of	Liquid	Hydro	carbons (1-			cf/bbldeg.		Specia Specia Po Pw	fic Gravi 1929 1205	ty Flow Pc 3	ing Fluid	
Liquid vity of	Liquid	Hydro	carbons			cf/bbldeg.	ALCULATION ACCORDED TO THE CONTRACT OF THE CON	Special Special P _c	fic Gravi 1 929	ty Flow Pc 3 Pw2 1	ing Fluid	
Liquid vity of	Liquid	Hydro	carbons (1-			cf/bbldeg.		Specia Specia Po Pw	fic Gravi 1929 1205	ty Flow Pc 3	ing Fluid	
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Liquid vity of	Liquid	Hydro	carbons (1-			cf/bbldeg.		Specin Specin Pc Pw	fic Gravi 1929 1205 P _c -P _w ²	ty Flow Pc 3 Pw2 1	ing Fluid	
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Pt (psia)	Pt Pt	F _c Q	==\$)	(F _c Q) ²	cf/bbl.deg.	(Q) ² e-s)	Special Specia	fic Gravi 1929 1205 P _c -P _w ²	ty Flow Pc 3 Pw2 1	ing Fluid	
Pw Pt (solute MPANY DRESS ENT and	psia) Potenti	Pt al:	F _c Q	luctic Plass	(F _c Q) ²	cf/bbl.deg.	n75	Special Specia	fic Gravi 1929 1205 P _c -P _w ²	Pc 3 Pw2 1 Cai	ing Fluid 721.0 452.0	
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Pw Pt (solute MPANY DRESS ENT and TNESSED	psia) Potenti	Pt al:	F _c Q	luctic Plass	(F _c Q) ²	Cf/bbldeg. (Foliation) MCFPD;	n75	Special Specia	fic Gravi 1929 1205 P _c ² -P _w ² 2269.0	Cai P,	ing Fluid 721.0 452.0	

INSTRUCTIONS

This form: to be used for reporting multi-point back pressure tests on gas wells in the State e, except those on which special orders are applicable. Three copies of this is rm and the back pressure curve shall be filed with the Commission at Box 871, Sant Fe.

The log log paper used for plotting the back pressure curve shall be of at least three incl cycles.

NOMENCLATURE

- Q I Actual rate f flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15 025 psia and 600 F.
- P_c = 72 hour well and shut-in casing (or tubing) pressure whichever is greater.
- PwT Static wellh ad working pressure as determined at the end of flow period. (Casing if f wing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing well and pressure (tubing if flowing through tubing, casing if flowing thro the casing.) psia
- Pf Meter pressu :, psia.
- $h_{\mathbf{W}^{\perp}}$ Differential leter pressure, inches water.
- FgI Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompre: ability factor.
- n I Slope of bar pressure curve.

Note: If P_W can t be taken because of manner of completion or condition of well, t en P_W must be calculated by adding the pressure drop due to frictic within the flow string to P_+ .